

FIG. 1

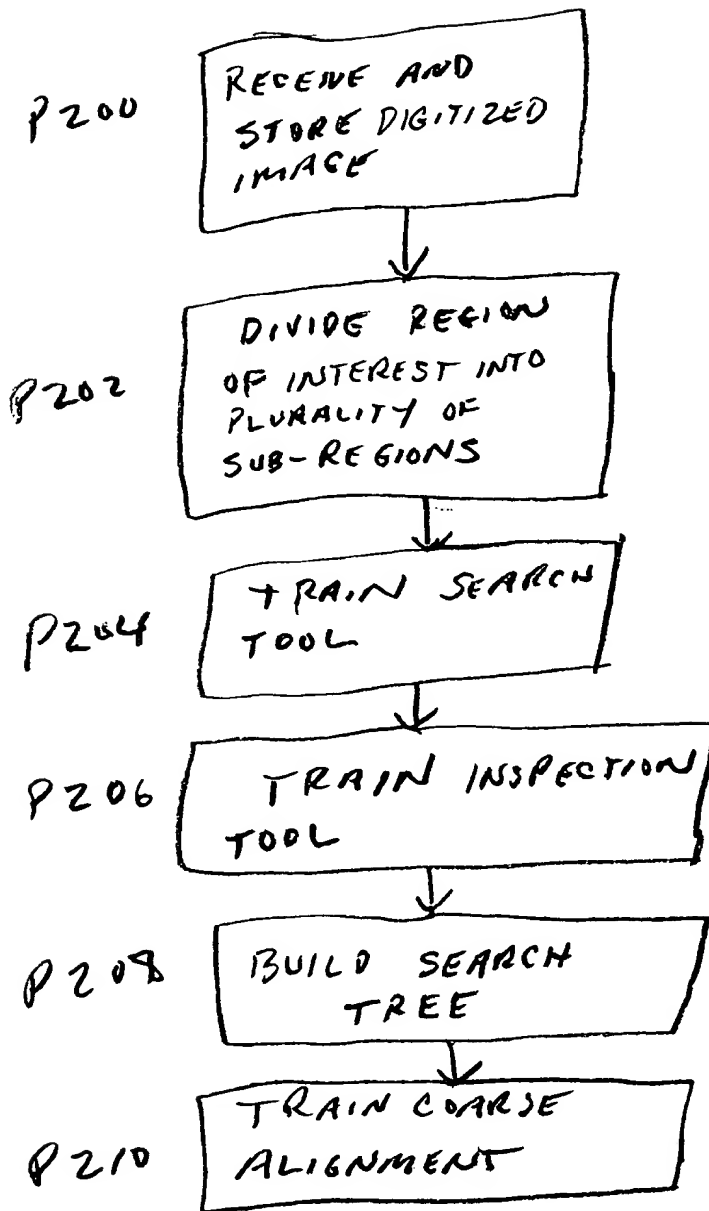


Fig 2

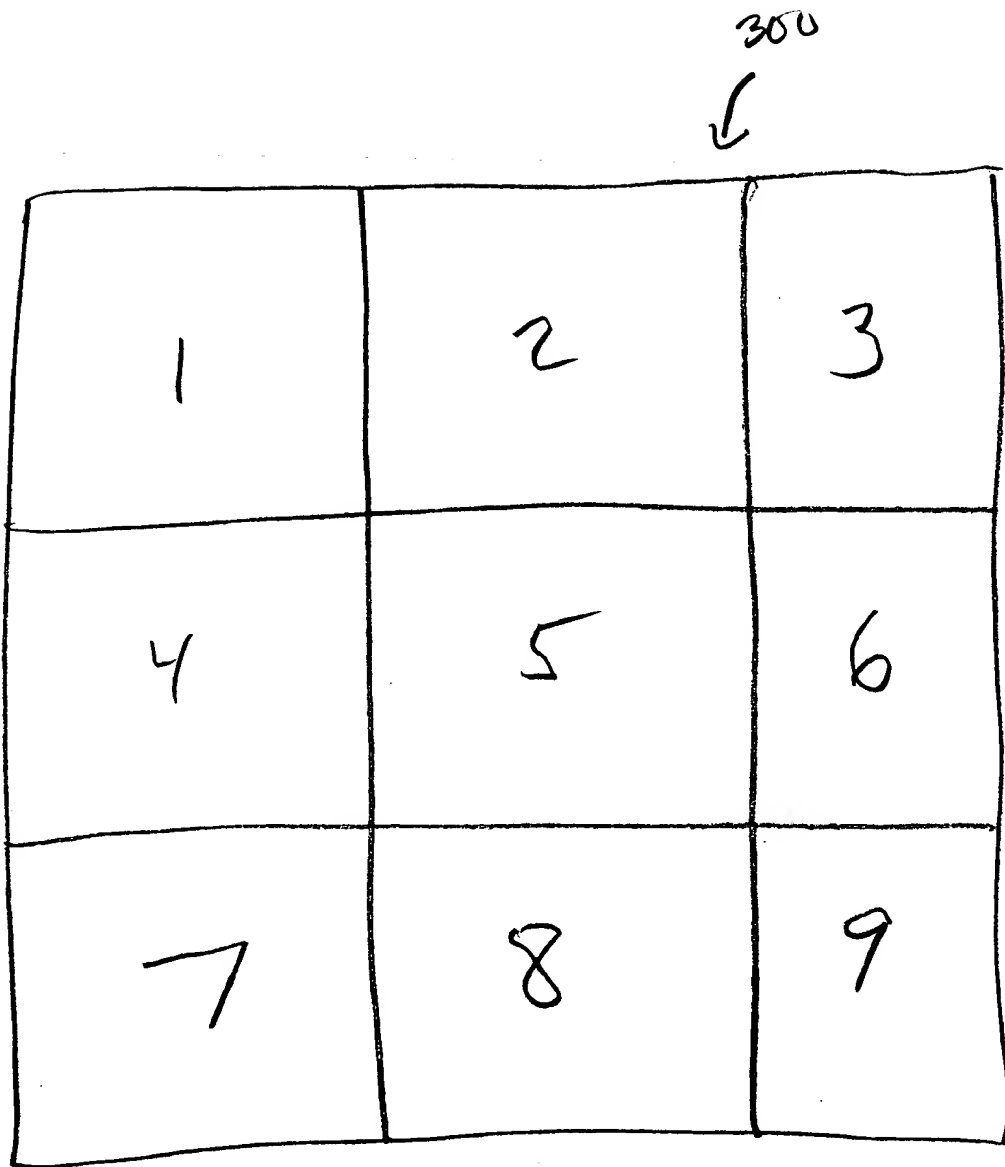


FIG. 3

P400 RUN COARSE  
ALIGNMENT TO  
APPROXIMATELY  
LOCATE PATTERN

P402 USE SEARCH TREE  
TO LOCATE SUB-  
REGIONS IN ORDER

P404 INSPECT EACH  
SUB-REGION

P406 COMBINE  
DIFFERENCE  
IMAGES

P408 COMBINE MATCH  
IMAGES

P410 COMBINE LOCATION  
INFORMATION TO  
PRODUCE DISTORTION  
VECTOR FIELDS FOR  
EACH OF THE  
SUB-REGIONS

P412 COMPARE DISTORTION  
VECTOR FIELDS AGAINST  
USER SPECIFIED  
TOLERANCES

FIG. 4

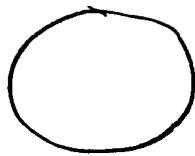


FIG. 5A



FIG. 5B



FIG. 5C



FIG. 5D

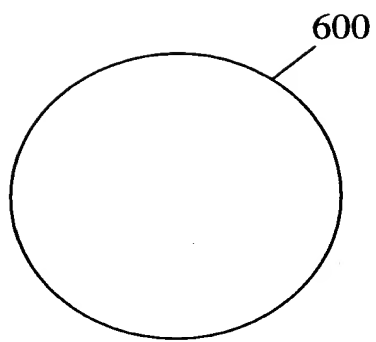


FIG. 6A

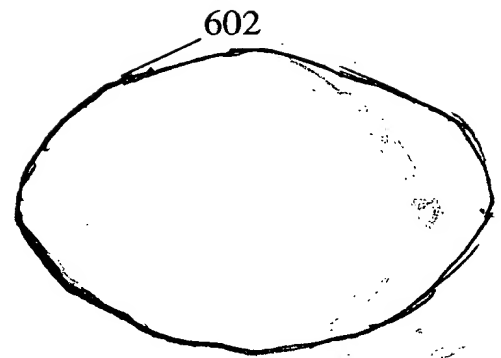


FIG. 6B

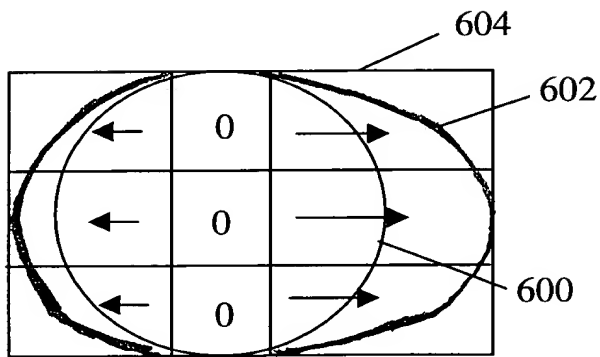


FIG. 6C